

EXHIBIT A

SCOPE OF WORK

Proposal/Agreement for Assisting the Walker River Paiute Tribe with a Watershed-Based Plan to coordinate remediation and pollution prevention efforts on the Reservation.

I. DESCRIPTION OF SERVICES:

A. Environmental Regulatory Requirement: The WRPT conducted a surface water quality collection program from 1997 and 1998 and continually between 2003 to present in order to better understand water quality conditions within the WRPT Reservation. Utilizing this data, the WPRT developed draft water quality standards within the Reservation and is in the process of finalizing the TAS application. Statistical analysis was conducted with the water quality data to better understand how to improve overall water quality within the Reservation through various restoration, erosion control and stormwater improvement projects.

The WRPT is in need of a Watershed-Based Plan to coordinate remediation and pollution prevention efforts on the Reservation. The goals of the Watershed-Based Plan is to develop and implement watershed based projects to protect water quality within the Reservation and to develop short and long term pollution prevention and remediation goals that could be implemented by the WPRT as available funding and resources permit.

The WRPT has existing data that could be updated and incorporated into the Watershed-Based Plan so that successful implementable projects are identified that are manageable and provide improvement of overall water quality within the Reservation. The existing water quality data covers an area of more than 45 river miles through wetlands, a reservoir and rangelands. Data analysis has potentially identified significant pollution sources and the sources of the threats and impairments. The existing water quality data has defined where potential projects could be located where they will be the most successful to reduce sediment and nutrient loads and lower water temperatures.

DISCUSSION:

Along with the WRPT staff and others, Lori Carpenter will assist to develop the Watershed-Based Plan. The Plan is one last step necessary to identify and focus pollution prevention efforts in a science-based approach. The Watershed-Based Plan would allow the WPRT to utilize the existing data to:

- o identify significant sources of pollution and,
- o identify management measure that effectively address the sources and estimate the watershed and water quality based goals.

The WRPT will utilize the nine element methods to:

- o identify the causes and sources of pollution,
- o identify and implement NPS management measures,
- o define water quality based goals,
- o identify technical and necessary financial assistance,

- o develop information and education goals,
- o identify potential implementation schedules and success milestones with success criteria and
- o identify monitoring with adaptive management techniques.

Data analysis indicates that the greatest potential to immediately improve water quality and reduce sediment and nutrient loads is within the lower River reaches between stations WR-06 to WR-12. Statistical analysis of Total Settleable Solids (TSS), Total Nitrogen (TN), Total Kjeldahl Nitrogen (TKN), Nitrate (NO₃), Total Phosphorus (TP) and temperature data indicates that pollution reduction projects implemented between stations WR-06 and station WR-12 would be most successful and would provide the greatest improvement to water quality. This is important because station WR-12 is within the Walker River close to the confluence of Walker Lake. Walker Lake is the focus of a national restoration effort and therefore many potential partners exist both upstream and downstream of the WRPT reservation that will ensure future project completion and successful outcomes.

The national restoration effort is called the Walker Basin Restoration Program was established by Public Law 111-85 in October 2009 for the primary purpose of restoring and maintaining Walker Lake, a natural desert lake in Nevada at the terminus of the Walker River stream system of Nevada-California. The Lake is critical to recovery of the threatened Lahontan Cutthroat Trout (LCT) and is an important stopover for Common loons and other migratory waterfowl. Yet, due to insufficient freshwater inflows, the Lake's elevation has been declining since the early 1900s and increased salinity levels threaten its complete ecological collapse. Implementation of pollution reduction projects along the Walker River between Stations WR-06 to WR-12 will also allow for improved water quality discharging to Walker Lake.

There is an immediate need for a WRPT Watershed-Based Plan within the WRPT Reservation to achieve water quality goals both within and outside of the Reservation. There are various efforts underway within the entire watershed and a WRPT Watershed-Based Plan will allow for a collaboration of efforts, funding and monitoring to determine project outcomes.

The WRPT Watershed-Based Plan is necessary so that there is a science-based approach within the Reservation; water quality analysis indicates that between Stations WR-06 to WR-12 the causes and sources of pollution must be identified in order to control and reduce future threats. The Plan will allow the WRPT to determine whether the areas between WR-06 to WR-12 are the critical areas, or whether there are others. The WRPT Watershed-Based Plan will identify those critical areas (for example, between Stations TR-06 to TR-12) along with NPS management measures that will be utilized to achieve water quality goals and objectives.

Draft water quality standards have been proposed within the WRPT Reservation and will be utilized within the Plan so that water quality-based goals can be further developed to protect areas with higher quality, identify areas for load reductions, utilize water quality standards for one or more pollutants to achieve NPS total maximum daily load allocations. As important, the Plan will identify measurable ways to achieve in-stream reduction of pollutants (such as TSS, TN, TP and temperature) and how the protection of, or improvement in a parameter that indicates river health will achieve watershed wide water quality goals and objectives (for increases in fish populations).

The Plan will identify technical and financial assistance and the associated costs with sources

and authorities. The WRPT has a track record with garnering support for programs within the Reservation by the dissemination of information and educating the public through Tribal meetings to achieve program success. The Plan will identify an implementation schedule that coordinates with other larger off Reservation projects. The Plan will utilize the existing water quality program data to describe interim measurable milestones to determine how well the NPS management measures are working. The Plan will outline criteria that will be utilized to determine whether or not the water quality based goals are making substantial progress. Other monitoring methods will be also examined, defined and described.

The WRPT plans to utilize the tools and information that EPA has provided and has a track record of successfully completing programs and has an internal Tribal structure that will oversee and ensure Plan completion.

B. TASKS: Working with the WRPT, we will utilize the nine element methods to:

- o identify the causes and sources of pollution,
- o identify and implement NPS management measures,
- o define water quality based goals,
- o identify technical and necessary financial assistance,
- o develop information and education goals,
- o identify potential implementation schedules and success milestones with success criteria and
- o identify monitoring with adaptive management techniques.

Utilizing existing data and in conjunction with Tribal staff existing data will be incorporated into the Watershed-Based Plan so that successful implementable projects are identified that are manageable and provide improvement of overall water quality within the Reservation. The existing water quality data covers an area of more than 45 river miles through wetlands, a reservoir and rangelands. Data analysis has potentially identified significant pollution sources and the sources of the threats and impairments. The existing water quality data has defined where potential projects could be located where they will be the most successful to reduce sediment and nutrient loads and lower water temperatures. Basically, a Watershed-Based Plan should develop and implement watershed based projects to protect water quality within the Reservation and to develop short and long term pollution prevention and remediation goals that could be implemented by the WRPT as available funding and resources permit consistent with EPA Watershed-Based NPS Plans.

The Plan will identify those areas for potential implementation and their schedules along with milestones and success criteria to including adaptive management techniques. We will also incorporate the previous work including the "Walker River Riparian Management Zone Assessment within Reservation Boundaries" and other references provided by EPA in an Integrated Approach to Water Resource Management in Indian Country.

TASKS & PRODUCTS

A draft Watershed-Based Plan will be prepared and a final plan insomuch as the budget allows.

7Q10 Cost Proposal

Project: Walker River Paiute Nonpoint Source Program – EPA Watershed Base Plan Development

Date: October 9, 2013

By: Lori Carpenter, PWS, CPESC Hydrologist

Task No	Task Description	Labor Personnel	Labor Cost Estimates	Direct cost Estimates	Task Costs Estimates
1	Collect WRPT surface data collection	PWS, CPESC	\$1,900.00	\$100.00	\$2,000.00
2	Collect existing data	PWS, CPESC	\$1,900.00	\$100.00	\$2,000.00
3	Collect/Identify significant pollution sources	PWS, CPESC	\$1,900.00	\$100.00	\$2,000.00
4	Identify causes & sources of pollution	PWS, CPESC	\$1,900.00	\$100.00	\$2,000.00
5	Identify & Implement NPS management measurements	PWS, CPESC	\$1,900.00	\$100.00	\$2,000.00
6	Define water quality based goals	PWS, CPESC	\$1,900.00	\$100.00	\$2,000.00
7	Identify technical & necessary financial assistance	PWS, CPESC	\$1,900.00	\$100.00	\$2,000.00
8	Develop information & educational goals	PWS, CPESC	\$1,900.00	\$100.00	\$2,000.00
9	Identify monitoring with adaptive management techniques	PWS, CPESC	\$1,900.00	\$100.00	\$2,000.00
10	Identify potential implementation schedules & success milestones With success criteria	PWS, CPESC	\$1,900.00	\$100.00	\$2,000.00
11	Coordination with agencies & meetings – DRI, WRPT, USGS, BIA, USFWS, NFWF and all affiliated sources	PWS, CPESC	\$1,900.00	\$100.00	\$2,000.00
12	Evaluate stats for current standards	PWS, CPESC	\$1,900.00	\$100.00	\$2,000.00
13	Set up GIS Geospatial Database & web application	PWS, CPESC	\$1,900.00	\$100.00	\$2,000.00
14	Meet with stakeholders for Watershed Base Plan	PWS, CPESC	\$1,900.00	\$100.00	\$2,000.00
15	Collect/obtain information pertinent for Watershed Base Plan	PWS, CPESC	\$1,900.00	\$100.00	\$2,000.00
Totals			\$28,500.00	\$1,500.00	\$30,000.00

Labor Classification	Symbol	Hourly Rate
Lori Carpenter, PWS, CPESC Hydrologist	PWS, CPESC	\$175.00
Lori Carpenter, Consulting Scientist	CS	\$155.00